Amendments to The Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Previously Presented) In a network computing system, an apparatus for providing direct processing access between application servers and application users comprising:

a main storage capable of establishing processing communication with more than one application server, each application server in a separate image provided for virtual systems in said main storage;

said main storage containing a queuing mechanism for retrieval and storage of incoming and outgoing data without causing interrupts in any running programs;

an interface element capable of establishing processing communication between said queuing mechanism and at least one application user;

an interrogator operating independent of any application server for examining multiple queues in said queue mechanism to transfer appropriate requests, responses and data between said application servers and said application user(s).

2. (Previously Presented) The apparatus of claim 1, wherein said Interface Element further comprises a Connector Interface Element and a Network Interface Element.

3. (Original) The apparatus of claim 2, wherein said Connector Interface Element is in processing communication with said main storage via a Self-Timed Interface or an STI bus.

4. (Original) The apparatus of claim 2, wherein said Connector Interface Element comprises a plurality of processors.

D2 5. (Original) The apparatus of claim 4, wherein one of said plurality of processors is used for redundancy purposes.

6. (Original) The apparatus of claim 2, wherein said main storage can be in processing communication with a plurality of network elements and servers.

7. (Previously Presented) The apparatus of claim 6, wherein said plurality of network elements comprise at least a web-server.

8. (Original) The apparatus of claim 7, wherein said web-server is a TCP/IP oriented server.

9. (Previously Presented) The apparatus of claim 2, wherein said Connector Interface Element and said Network Interface Element are in processing communication with one another via a Peripheral Controller Interface bus or a PCI bus.

10. (Previously Presented) The apparatus of claim 2, wherein said Network Interface Element further comprises an I/O device adapter, at least one more processor and a local storage area.

11. (Original) The apparatus of claim 10, wherein said Network Interface Element is capable of connecting to one or more individual application users.

12. (Previously Presented) The apparatus of claim 1, wherein said Interface Element performs computing network environment

functions establishing network communications between said application servers and said application user(s).

D2 13. (Previously Presented) The apparatus of claim 1, wherein said Interface Element performs control unit functions.

14. (Currently Amended) In a network computing system having a main storage capable of connecting to more than one application server and an interface element with at least one adapter capable of establishing processing communication with at least one application user(s), an apparatus for providing direct processing access between said main storage and said adapter comprising:

for each application server, a separate image provided for virtual systems in said main ~~storage~~ storage;

data receivers set up in each of said application servers for processing data;

a plurality of queues located in main storage for providing continuous running of programs without interruptions;

an updator for changing the status of said network computing system every time new data is received, deleted or modified;

an interrogator operating independent of any application server for interrogating multiple existing queues in said main storage simultaneously to process any received data or requests such that data or requests may be received from more than one application server;

a determinator for interrogation and routing of data to the appropriate application user to which said data has been forwarded.

15. (Previously Presented) The apparatus of claim 14, wherein said Interface Element further comprises a Connector Interface Element and a Network Interface Element.

D2 16. (Original) The apparatus of claim 15, wherein said Connector Interface Element is in processing communication with said main storage via a Self-Timed Interface or an STI bus.

17. (Original) The apparatus of claim 15, wherein said main storage can be in processing communication with a plurality of network elements and servers.

18. (Previously Presented) The apparatus of claim 15, wherein said Connector Interface Element and said Network Interface Element are in processing communication with one another via a Peripheral Controller Interface bus or a PCI bus.

19. (Previously Presented) The apparatus of claim 15, wherein said Network Interface Element further comprises an I/O device adapter, at least one more processor and a local storage area.

20. (Original) The apparatus of claim 19, wherein said Network Interface Element is capable of connecting to one or more individual application users.

21. (Original) The apparatus of claim 15, wherein said Connector Interface Element is in processing communication with said main storage via a direct access memory I/O device.

22. (Previously Presented) The apparatus of claim 15, wherein said Connector Interface Element and said Network

Interface Element are in processing communication with one another via a direct access memory I/O device.

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